

Date: Tue, 30 Mar 93 04:01:52 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #392
To: Info-Hams

Info-Hams Digest Tue, 30 Mar 93 Volume 93 : Issue 392

Today's Topics:

 "Technician" class means what?
 20 ma Current loop specs
 address of EMERSON RADIO CORP?
 Another 3rd Party Question
 Boy, this can turn me off!
 Callsign server went where?
 Code Quick
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 FOR U.S.A. AMATEURS: HY-GAIN ADDRESS WANTED
 Help! Harris/PRD 6690A - Bolometers
 motive ...
 Problem with TM-741A extended receive
 RFD: reorganization of rec.radio.amateur
 Wanted: thoughts on glass mount ants
 Yeasu 5200 and mic connections (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 30 Mar 1993 06:53:09 GMT
From: usc!cs.utexas.edu!geraldo.cc.utexas.edu!geraldo.cc.utexas.edu!
usenet@network.UCSD.EDU
Subject: "Technician" class means what?
To: info-hams@ucsd.edu

Someone said in an earlier posting to keep track of one's novice ticket or

CSCE to show passing a code element. This is absolutely true. However ... if your license is dated before, I believe, 14 February 1991 (as a Tech), you only need to keep that. CSCE not required. If it's a Tech before something like 21 March 1987, you don't need to pass element 3B for general, only 1B (13 WPM), so if y'all have dem Techs from way back and want to upgrade, keep that license. :-) (And me not even a VE yet; Someday I need to get certifried.)

73,

--

Buddy Brannan, KB5ELV, Riff-Raff #4

The World's Youngest Old Fart :-)

Internet: davros@ccwf.cc.utexas.edu

"... Every inch of me that isn't a carnivore is 100% vegetarian."--Elf-Kin

Date: 28 Mar 93 05:37:12 GMT

From: opel!slc1!vk2bea!michael@uunet.uu.net

Subject: 20 ma Current loop specs

To: info-hams@ucsd.edu

In article <1osj9aINNful@shelley.u.washington.edu> whit@carson.u.washington.edu (John Whitmore) writes:

>

> 20 mA output from the old ASR33's was a 90V DC supply and
>a limiting resistor (tapped for either 20 mA or 60 mA). The receiver
>was a low-impedance relay coil, and polarity was considered irrelevant.

>

> Some 20 mA interfaces try to use 12V, but those are less
>reliable (90V will burn through lots of crud on the connections
>where 12V doesn't operate).

>

Ah, You know you're getting old if you know the real answer to these questions!

The reason 90V was used on the mechanical Teletypes (reg trade mark) was that you wanted the solenoid to turn on as fast as possible to reduce bias distortion (Short mark, long space or visa versa). Since $V=L di/dt$ the higher the V across the solenoid, the faster the current would rise to its final voltage of 20mA. (Actually 90V probably created alot of crud on the polar relays!)

Another 'lost in time' why is it so....

Why is the 'mark' (binary 1) at negative volts?

On telegraphy lines, which used ground return, the line was, for most of the time at a 'mark', so if it were positive with respect to earth, it would corrode as a sacrificial anode. Keeping it at a negative voltage help preserve the copper.

The convention was carried on to RS-232, despite problem not being as great for short haul lines.

(Does any one remember those spiral timebase CRT devices for checking bit timing on Teletypes?)

--
Michael Katzmann > Broadcast Sports Technology Inc.
~~~~~ < Crofton, Maryland. U.S.A  
Amateur Radio Stations: >  
NV3Z / VK2BEA / G4NYV / AAR3VK < ope1!vk2bea!michael@uunet.uu.net

-----  
Date: Tue, 30 Mar 1993 06:14:03 GMT  
From: news.Hawaii.Edu!news@ames.arpa  
Subject: address of EMERSON RADIO CORP?  
To: info-hams@ucsd.edu

Does anyone have the address of EMERSON RADIO CORP? I thought they were in Sun Valley, California, but a letter I sent to them came back stamped "Undeliverable - forwarding order expired". Thanks so much for any help.

Jeffrey, NH6IL

-----  
Date: Tue, 30 Mar 1993 07:37:14 GMT  
From: usc!zaphod.mps.ohio-state.edu!darwin.sura.net!rouge!cfm1471@network.UCSD.EDU  
Subject: Another 3rd Party Question  
To: info-hams@ucsd.edu

My fiance' is traveling to France this summer, and Im not looking forward to receiving the outrageous phone bills that await me. My question about third party is this:

How come since before W.W. 1, the United States has been great allies with both the French as well as the British, and there is NO 3rd party agreement? I mean, we are supposed to be the "best of buddies" right? You know, lots of trading, and tourism, and the such. What is the deal here? Is this some sort of governmental red tape or what? Isn't Israel the nearest 3rd party country to us in Europe? I would seem to think after the many nights of sitting in front of the television, and seeing what seems to be the deterioration of "pals" between the U.S.'s policies and some of the European communities policies, we as hams, could get another European 3rd party country.

What is the process? I speak with British hams all the time, what's to hurt if I send traffic to a friend in England, that's not a ham. Am I

not supposed to reveal matters of military intelligence?

Help!

Charlie

-----  
Date: Tue, 30 Mar 1993 04:13:13 GMT  
From: nevada.edu!jimi!physics.unr.edu!nimbus!mswmod@uunet.uu.net  
Subject: Boy, this can turn me off!  
To: info-hams@ucsd.edu

In article <C4nML9.MKB@eskimo.com> mann@eskimo.com (Tom Mann) writes:  
>In article <gganderson.31.733008903@augustana.edu>, gganderson@augustana.edu  
(KEVIN L. ANDERSON (7325)) writes:  
>> As an outsider and someone just now considering getting a ham ticket, and  
>> only reading this newsgroup for a short time, I can't say that reading  
>> the postings (I am referencing here "no code" etc) are helping to get  
>> excited about this hobby.  
>  
>Don't let a few anal-retentive blow hards get to you. As with any group,  
>amateur radio is made up of a lot of different personalities. You will  
>also come across some real jerks on the air but by and large, amateurs  
>are a pretty good bunch. The problem is that the most vocal are  
>frequently the most obnoxious. Please don't get discouraged... just  
>ignore the jerks.  
>  
>73,  
>Tom KD9NL/7  
>--  
>  
>Tom "Old" Mann KD9NL/7 Kirkland, Wash.

Well put Tom. It's the same all over. The "10 percenters" make  
lots of noise, but don't speak for the other 90%.

I've been at it for about 40 some years now. Jump on in,,,,,The  
water's fine.

Monte "Ron" Strak, KU7Y, CW only  
Sun Valley, Nevada

-----  
Date: Tue, 30 Mar 1993 03:00:16 GMT

From: panix!oppedahl@nyu.arpa  
Subject: Callsign server went where?  
To: info-hams@ucsd.edu

In <C4oB4G.51E@rahul.net> davidj@rahul.net (David Josephson) writes:

>Anyone know the current site for the callsign database server?  
>marvin.cs.buffalo.edu is not awake.

I am not familiar with marvin. But just now I used

telnet callsign.cs.buffalo.edu 2000

as I always do, and it worked as it always does.

good luck.

--  
Carl Oppedahl AA2KW (intellectual property lawyer)  
30 Rockefeller Plaza  
New York, NY 10112-0228  
voice 212-408-2578 fax 212-765-2519

-----  
Date: 30 Mar 1993 04:57:52 GMT  
From: usc!zaphod.mps.ohio-state.edu!uwm.edu!convex.csd.uwm.edu!  
retzer@network.UCSD.EDU  
Subject: Code Quick  
To: info-hams@ucsd.edu

I am studying morse code in order to upgrade my ticket. In the process I came across an interesting ad for a package called "Code Quick" in QST magazine. It claims to allow you to learn the code much more quickly and easily than other methods. Its put out by Wheeler Applied Research. Has anyone used this, or does anyone know anything about it? I'd like to hear some other views before spending the \$39.95 plus \$5.00 shipping.

Many Thanks in advance and 73's  
Joe Retzer  
N9QXL

-----  
Date: 29 Mar 1993 23:40:44 -0600  
From: usc!cs.utexas.edu!geraldo.cc.utexas.edu!emx.cc.utexas.edu!not-for-mail@network.UCSD.EDU  
Subject: contests

To: info-hams@ucsd.edu

jeffj@cbnewsm.cb.att.com (jeffrey.n.jones AB6MB) says:

>>I really enjoy hunting DX during the WPX and the other world wide contests.

I can't disagree with that.

>>However the bands are a shared resource and I don't believe that anyone  
>>or group should hog the whole band during a extended period of time. They  
>>could very easily stay in certain portions of the bands and let us non-  
>>contesters enjoy our ragchews, nets, etc...

I don't see this as a major problem. In contests, the lower halves of the bands are extensively used, but the upper parts are still available for ragchewing and casual QSOs. This last weekend, there was plenty of space in the upper reaches of 10-15-20m for this stuff. The 10m band goes up to 29.7 MHz, and there is little or no contest activity up that high - plenty of room for chattering or netting.

If people would make a habit of having their coffee-break skeds higher up in the band, then (a) they wouldn't clash with the DX activity that goes on every day in the lower part, and (b) they wouldn't have to change their meeting spots during a contest.

I had a long (for me) chat with KA3KJH/S0 in Western Sahara on 10m phone on Sunday afternoon - nobody seemed to want to talk with him, and when we quit, the pile-up for him consisted of two people. You can find people like this to talk with, whether or not there is a contest going on.

So with a little ingenuity and flexibility, you can still have casual QSOs during a contest. And besides, I keep hearing that we need lots more hams (I keep forgetting why) and that contests are good ways of increasing activity, so it seems silly to complain that you can't hold the Hemorrhoid Net on exactly the same frequency as you have been using for the past 25 years.

On top of all this, Ghana turned up for the first time in N years and produced some nice pile-ups. What's more important - working Ghana, doing the contest, or ragchewing? I guess my point is that you can do all of these if you are a little flexible. I certainly did them all at various times over the weekend.

And, of course, there is the oft-repeated advice to use another mode for your ragchewing. There is lots of room in the CW bands during a phone contest (in fact, you can pick up some nice DX then), and if a CW contest spoils your ragchew and you don't like operating phone,

try RTTY or satellites or something. There are hardly any contests that are on more than one mode at a time.

[Disclaimer: the "you" above doesn't necessarily apply to the original poster, and no personal flame intended - I mean "you" generally in most of the above].

Derek Wills (AA5BT, G3NMX)  
Department of Astronomy, University of Texas,  
Austin TX 78712. (512-471-1392)  
oo7@astro.as.utexas.edu

-----  
Date: 30 Mar 93 07:56:41 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 29 March  
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 088, 03/29/93  
10.7 FLUX=128.7 90-AVG=133 SSN=066 BKI=4351 0103 BAI=013  
BGND-XRAY=B2.0 FLU1=8.6E+05 FLU10=1.4E+04 PKI=4552 1323 PAI=018  
BOU-DEV=051,038,091,006,004,006,004,022 DEV-AVG=027 NT SWF=01:002  
XRAY-MAX= M1.0 @ 1258UT XRAY-MIN= B1.5 @ 0807UT XRAY-AVG= B6.5  
NEUTN-MAX= +006% @ 1515UT NEUTN-MIN= -002% @ 0850UT NEUTN-AVG= +1.2%  
PCA-MAX= +0.1DB @ 2320UT PCA-MIN= -0.4DB @ 0105UT PCA-AVG= -0.0DB  
BOUTF-MAX=55407NT @ 1327UT BOUTF-MIN=55369NT @ 0755UT BOUTF-AVG=55393NT  
GOES7-MAX=P:+127NT@ 1823UT GOES7-MIN=N:-031NT@ 0738UT G7-AVG=+080,+054,+008  
GOES6-MAX=P:+142NT@ 1836UT GOES6-MIN=N:-144NT@ 0500UT G6-AVG=+094,-010,-064  
FLUXFCST=STD:140,150,155;SESC:140,150,155 BAI/PAI-FCST=015,015,010/015,015,010  
KFCST=2104 5011 2104 5011 27DAY-AP=022,027 27DAY-KP=1353 3434 4454 5343  
WARNINGS=\*SWF  
ALERTS=\*\*MINFLR:M1.0/SF@1258,N04E36(7461);\*\*TENFLR:190SFU@0833UTC,DUR=1MIN  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 28 MAR 93 was 86.8.  
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Date: Tue, 30 Mar 1993 07:08:32 GMT  
From: ghost.dsi.unimi.it!mapelp@tcgould.tn.cornell.edu  
Subject: FOR U.S.A. AMATEURS: HY-GAIN ADDRESS WANTED  
To: info-hams@ucsd.edu

Hi. I'm an italian CBer and I'm going to became a radio-amateur.  
I'm looking for the HY-GAIN complete address in the U.S.A. because

I want to buy the Explorer 14 antenna directly from it.  
I also need all the information about how to send fee, and the expedition modality. I don't speak english very well so I hope that someone of you can do this for me and send me an answer to my E-mail address. Many, many thanks in advance.

Paolo. (mapelp@ghost.dsi.unimi.it)

-----  
Date: 29 Mar 93 18:52:00 GMT  
From: pipex!bnr.co.uk!marble.uknet.ac.uk!uknet!sni.co.uk!lehane@uunet.uu.net  
Subject: Help! Harris/PRD 6690A - Bolometers  
To: info-hams@ucsd.edu

Hi,

Does anyone have a copy of the schematic, or better yet, the service manual for a Harris/PRD 6690A milliwatt power meter? I have one which has died and I'd really like to measure my 10Ghz gear.

Failing that, have there been any circuits published for using the bolometer mounts? The PRD mounts are two core cable back to the meter.

Thanks in advance,  
Lehane  
g8kmh

--  
Lehane Kelleett. G8KMH. Siemens Nixdorf Information Systems, Bracknell.  
lehane@sni.co.uk NTS: g8kmh@gb3xp amprnet: g8kmh@g8kmh.ampr.org  
Standard disclaimers apply. Warranty void if opened.

-----  
Date: Tue, 30 Mar 1993 05:59:39 GMT  
From: netcomsv!bongo!julian@decwrl.dec.com  
Subject: motive ...  
To: info-hams@ucsd.edu

In article <1p7g6cINN4q1@morrow.stanford.edu> BR.SJE@forsythe.stanford.edu (Steve Eastman) writes:

>>

>>3. What would/did motivate you to join ARRL?

>I will join when they explicitly deny any bias against gay folk.

Oh dear. Now the homosexualists are targeting the poor old



ARRL? I suppose they like the Boy Scouts are now to be targeted for not openly supporting the behaviour of others.

When will this discrimination by the homosexualists against others end?

Shall we also require that they deny bias against gamblers, cock fighters, surfers, communists or any other group who want to call themselves a minority.

The ARRL is about radio, it is not about what you consider an outlet for your reproductive urges.

I would like to point out something that all subversives should understand. If you disagree with a group. Join them and take them over. Reform is best performed from within. Why should a group worry about what non members think?

Hopefully we can now return to Morris and Autopatches.

--

Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495  
Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

-----  
Date: 26 Mar 93 21:52:16 GMT  
From: spool.mu.edu!agate!biosci!joes!shibumi@uunet.uu.net  
Subject: Problem with TM-741A extended receive  
To: info-hams@ucsd.edu

As part of a car sale/purchase, I ended up swapping my TM-741A for another one (mine had been installed in the car I was selling, and the person I was buying the next car from had a TM-741A he wished to get rid of). Anyway, upon installing the new TM-741A in the new vehicle, I discovered that it had no receive capability on the 440 side outside of 430-450 MHz. The radio will display into that range, and if I leave it on 460.225 MHz and drive up to the SFPD transmitter site, I will very occasionally hear a broken bit of traffic. In the past, I was able to clearly hear the same signals from about 60 miles to the south.

Anyone have a any ideas? The antenna/duplexer and feed lines are exact clones of the ones used with the old TM-741A.

|                                      |                         |
|--------------------------------------|-------------------------|
| Kenton A. Hoover                     |                         |
| P.O. Box 882643                      | +1 415 957 3614         |
| San Francisco, Kalifornia 94188-2643 | shibumi@joes.garage.com |

|=====442.075+100=146.850+=444.625+131.8=440.900+114.8=====|  
| Just don't hurt nobody, 'less of course they ask you... |

-----  
Date: 30 Mar 1993 04:52:42 GMT  
From: usc!sdd.hp.com!col.hp.com!bobw@network.UCSD.EDU  
Subject: RFD: reorganization of rec.radio.amateur  
To: info-hams@ucsd.edu

> We have rec.radio.swap and it WORKS (with about 5/month being mis-posted to  
> rec.radio.amateur.misc). Of course, there is a historical reason for this,  
> many gateways and transports refused to provide a service to ham-radio.misc  
> until a ham-radio.swap group was created. I am not sure if they will pull  
> their services today if too many swap items ended up in .misc, but there is  
> that 'fear' ...  
>

Let me suggest that rec.radio.swap works because  
1. Its pretty clear what belongs in r.r.swap and what doesn't  
2. Its hard to start a flametest in r.r.swap (except maybe  
over the sale of a linear amplifier equipped for 27 MHz.)

Bob Witte / HP Colo Springs / bobw@col.hp.com / KB0CY

-----  
Date: 30 Mar 93 04:49:20 GMT  
From: esl!NewsWatcher!user@decwrl.dec.com  
Subject: Wanted: thoughts on glass mount ants  
To: info-hams@ucsd.edu

I'd like some comments on the abilities of the glass mount antennas, as  
opposed to the traditional thru-the-sheet-metal type of antenna. I'm mainly  
concerned with receive attenuation. I had no problem drilling the roof to  
pieces in my old truck, but a new van deserves more respect, so the glass  
mounts would seem to be the answer. Thanks for any comments, positive or  
negative. I appreciate your experiences!

Dave, WA6AWZ

drw@esl.com

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Date: 29 Mar 93 23:47:25 -0600  
From: usc!wupost!darwin.sura.net!news-feed-1.peachnet.edu!umn.edu!msus1.msus.edu!  
vax1.mankato.msus.edu!dj1@network.UCSD.EDU

Subject: Yeasu 5200 and mic connections  
To: info-hams@ucsd.edu

Hello,

I was looking at the accessories that are available for the Yeasu 5200 radio and saw the wireless mic option. I know that it's performance is not worthwhile but having all of the functions remotly accessible-like change frequency! is most intriguing. How is this done? Is it all through the mic jack? or is there a board also installed inside? I don't know if I would like all of the ocntrls on the mic but adding frequency change and the band switch to my present mic would make the radio a lot nicer without spending a lot of money. (I spent it all on those darn college books! :-) ). Thanks for the info.

Sean

DJ1 @ VAX1.MANKATO.MSUS.EDU  
NOPBA @ WA0CJU.MN.USA.NA  
414 HUDSON AVE WEST  
MANKATO, MN 56001  
(507) 345-8952 (IF HERE!!)

-----  
Date: Tue, 30 Mar 1993 06:49:21 GMT  
From: usc!wupost!spool.mu.edu!sgiblab!a2i!davidj@network.UCSD.EDU  
Subject: Yeasu 5200 and mic connections  
To: info-hams@ucsd.edu

In <1993Mar29.234725.3369@vax1.mankato.msus.edu> dj1@vax1.mankato.msus.edu writes:

>Hello,

> I was looking at the accessories that are available for the Yeasu  
>5200 radio and saw the wireless mic option. I know that it's performance  
>is not worthwhile but having all of the functions remotly accessible-  
>like change frequency! is most intriguing. How is this done? Is it all  
>through the mic jack? or is there a board also installed inside? I don't  
>know if I would like all of the ocntrls on the mic but adding frequency  
>change and the band switch to my present mic would make the radio a lot  
>nicer without spending a lot of money. (I spent it all on those darn  
>college books! :-) ). Thanks for the info.

The wireless mic option for the 5200 is an odd beast. I bought one in Japan (doubt whether they are sold here, as they use a carrier frequency of 75.00 MHz, not a real bright choice). You get an infrared receiver module that plugs into the mic jack. Control signals from the keypad on the wireless mic get sent via serial infrared, decoded, and jammed into the mic jack. The audio is FM on a 75 MHz carrier, and thereis a receiver in the IR module for that. Performance of the IR in my car was useless because the interior is black -- would probably work OK if there were

white upholstery to bounce the IR light. Range of the 75 MHz signal is about 10 feet.

73

David WA6NMF

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Josephson Engineering, San Jose California      MICROPHONES  
Tel/ 408-238-6062   Fax/ 408-238-6022      INSTRUMENTATION  
email:david@josephson.com   ftp info from: rahul.net /pub/davidj/  
-----

Date: 30 Mar 93 09:43:48 GMT  
From: concert!samba!usenet@decwrl.dec.com  
To: info-hams@ucsd.edu

References <C4Ar8C.K8E@eskimo.com>, <1osj9aINNful@shelley.u.washington.edu>,  
<1087@vk2bea.UUCP>t  
Subject : Re: 20 ma Current loop specs

In article <1087@vk2bea.UUCP> michael@vk2bea.UUCP (Michael G. Katzmann) writes:  
(Much interesting stuff about Teletypes deleted to save bandwidth - ard)

>

>(Does any one remember those spiral timebase CRT devices for checking bit  
>timing on Teletypes?)

Yep - I've got something like that. Bought it for 15 pounds a few years  
back - It's a Plessey TDMS5. It uses a circular timebase, and the bits are  
displayed as changes of intensity of the trace. By seeing how they're  
grouped, you can detect distortion in the system. It will also test polar  
relays, and transmit test signals. The transmission system is quite  
interesting, because as well as sending alternate marks/spaces (square  
wave), it will also send a particular 5 bit character (there are 5 toggle  
switches on the front panel, or the 'Quick Brown Fox...' message from an  
electromechanical coder (this contains a PCB-like disk with the 5  
concentric thin circular tracks. connected to each track are little pads,  
which form the bit-pattern for the message. there are some contacts that  
rub over the disk, and pick up the connections. The disk is turned by a  
solenoid+ratchet type thing. Oh, and the whole device uses valves  
(tubes), not transistors. The transmission is timed by a 8-stage ring  
counter using triodes.

I still use it from time to time - mainly to set up my collection of  
Creed teleprinters

>

>--

>Michael Katzmann

> Broadcast Sports Technology Inc.

>~~~~~< Crofton, Maryland. U.S.A  
>Amateur Radio Stations: >  
>NV3Z / VK2BEA / G4NYV / AAR3VK < opel!vk2bea!michael@uunet.uu.net

-tony 'PDP11 Hacker' Duell  
ard@siva.bris.ac.uk

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Technology, or the Experimental Bulletin Board Service.  
internet: laUNCHpad.unc.edu or 152.2.22.80

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End of Info-Hams Digest V93 #392  
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